

### **Listing of Claims/Amendments to the Claims:**

The listing of claims that follows will replace all prior versions in the application.

1. (Currently Amended) A method for ~~detection of~~detecting a defect or failure of a compressed air load circuit in a vehicle compressed air system ~~for vehicles,~~ ~~wherein the~~in which pressure in the lines to the ~~said~~ compressed air load circuits is continuously monitored ~~and evaluated,~~ ~~characterized by the following steps:~~said method comprising the steps of:

———~~momentary shutoff of~~momentarily shutting off at least one of the compressed air load circuits;

———~~measurement of the~~at least one of measuring values and/or ~~determination of~~determining gradients of a variable of state in said compressed air system (~~pressure, air flow rate, air mass, energy~~) during the shutoff time in at least one of the while said at least one compressed air load circuits, is momentarily shut off;

———~~comparison of the~~comparing at least one of said values and/or gradients with a predefined respective threshold value; and

———~~detection of a~~detecting at least one of a defective and failed one of said at least one compressed air load circuit ~~as defective or failed when the~~one of said values of its variables of state and/or gradients of its variables of state drops below the said predefined respective threshold value in the shutoff phase and/or after the shutoff phase at least one of during and/or after said at least one compressed air load circuit is momentarily shut off.

2. (Currently Amended) ~~A~~The method according to claim 1,

~~characterized in that definitive or permanent shutoff of the air load~~further comprising the step of permanently shutting off said at least one of a defective and failed one of said at least one compressed air load circuit detected as defective or failed is applied.

3. (Currently Amended) ~~A~~The method according to claim 1,  
~~characterized in that momentary shutoff (pulsed shutoff) occurring several~~wherein said step of momentarily shutting off said at least one compressed air load circuit is effected a predefined number of discrete times in succession is provided.

4. (Currently Amended) ~~A~~The method according to claim 3,  
~~characterized in that the variation of the measured~~further comprising the steps of tracking said values and/or of the determined gradients of the variables of state is tracked during the brief shutoff phases and in that thewhile said at least one compressed air load circuit is pulsed off, and permanently shutting off ones of said at least one compressed air load circuits whosewhen one of said values or and gradients is of variables of state are below thesaid respective threshold value even after completion of the predefinable number of brief shutoff phases are definitively or permanently shut offsaid step of momentarily shutting off said at least one compressed air load circuit is effected a predefined number of discrete times in succession.

5. (Currently Amended) ~~A~~The method according to ~~one of the preceding claims~~claim 2, further comprising the step of refilling non-defective and non-failed ones of said at least one compressed air load circuits are refilled after the definitive shutoff of the defective compressed air load circuit or of thesaid step of permanently shutting off said at least one of defective and failed compressed air load circuits is effected.

6. (Currently Amended) ~~A~~The method according to claim 2,~~3 or 4,~~

~~characterized in that~~ further comprising the step of canceling shutoff of the in a ~~non-~~  
defective and non-failed ones of said at least one compressed air load circuits ~~is cancelled~~  
~~once again after definitive~~ permanent shutoff of the ~~said at least one of defective and failed~~  
one of said at least one compressed air load circuits.

7. (Currently Amended) A ~~The~~ method according to claim 1, ~~3 or 4,~~  
~~characterized in that the~~ wherein said predefined respective threshold value corresponds to  
~~the~~ a variable of state to be adjusted in ~~the respective~~ said at least one compressed air load  
circuit.

8. (Currently Amended) A ~~device~~ system for ~~detection of~~ detecting a  
defect or failure of a compressed air load circuit ~~with in a vehicle~~ compressed air system,  
~~which is provided with~~ comprising a compressed air supply part and a compressed air  
consumer part, said compressed air supply part including ~~provided with~~ a compressor, said  
compressed air and a consumer part with including a plurality of compressed air load  
circuits, ~~which are supplied with compressed air via~~ electrically actuatable valves for  
supplying compressed air to said compressed air load circuits, wherein the sensors for  
monitoring pressure in ~~the~~ said compressed air load circuits ~~is monitored by sensors, whose~~  
and an electronic control unit for evaluating electrical signals are evaluated by an electronic  
control unit that controls the from said sensors and for controlling said electrically actuatable  
valves, ~~characterized in that at least one of the~~ wherein said electrically actuatable valves (16,  
18, 20, 22) of the ~~compressed air~~ associated with said load circuits (26, 28, 30, 32, 34, 36)  
~~can be switched~~ are switchable momentarily by ~~the~~ said control unit (84) to a shut-off state  
for ~~detection of the~~ detecting at least one of a defect or and failure of one of said a  
compressed air load circuits, and wherein the said control unit is adapted to compares at least

one of measured values and/or determined gradients of a variable of state (~~pressure, air flow rate, air mass, energy~~) obtained during ~~the shutoff times~~ said shut-off state with a predefined respective threshold value and ~~identifies the~~ to identify at least one of said compressed air circuits ~~whose~~ having at least one of said values and/or gradients ~~of variables of state are~~ below ~~the~~ said threshold value as at least one of a defective ~~or~~ and failed compressed air load circuit.

9. (Currently Amended) ~~A~~ The device system according to claim 8, ~~characterized in that the~~ wherein said control unit (84) is adapted to leaves ~~the~~ an electrically actuatable valve associated with ~~the~~ said at least one of defective and failed compressed air load circuit ~~identified as defective or failed in~~ said shut-off state, ~~whereas the~~ and wherein electrically actuatable valves of ~~the other~~ non-defective and non-failed ones of said compressed air load circuits are ~~switched~~ switchable to the an open normal state ~~once again~~.

10. (Currently Amended) ~~A~~ The device system according to claim 8, ~~characterized in that the~~ wherein said control unit (84) is adapted to effect shutoff phases by briefly ~~switches~~ pulsing at least one electrically actuatable valve (~~16, 18, 20, 22~~) of ~~the~~ said compressed air load circuits (~~26, 28, 30, 32, 34, 36~~) ~~several~~ to shut-off state multiple times in succession ~~to blocked a~~ shut-off state.

11. (Currently Amended) ~~A~~ The device system according to claim 10, ~~characterized in that the~~ wherein said control unit (84) is adapted to determines ~~the~~ said at least one of values and/or ~~the~~ gradients ~~of the variables of state during the~~ said shutoff phases and, after completion of a ~~predefinable~~ predefined number of shutoff phases, to detects ~~the~~ ones of said compressed air load circuits ~~whose~~ having at least one of said values ~~or~~ and gradients ~~of variables of state are~~ below ~~the~~ said respective threshold value as at least one of

defective ~~or~~and failed circuits and to permanently turns ~~them off definitively or~~  
permanently~~off~~ said at least one of defective and failed circuits.

12. (Currently Amended) ~~A~~The device~~system~~ according to claim 11,  
~~characterized in that the~~wherein said control unit (84) is adapted to switches the electrically  
actuatable valves of ~~the intact~~non-defective and non-failed ones of said compressed air load  
circuits back to the~~an~~ open de-energized normal state~~once again~~.

13. (Currently Amended) ~~A~~The device~~system~~ according to claim 11 ~~or~~  
~~12, characterized in that the intact~~wherein said non-defective and non-failed ones of said  
compressed air load circuits are refilled after ~~the~~said electrically actuatable valves have been  
switched to ~~their~~an open de-energized normal state.

14. (Currently Amended) ~~A~~The device~~system~~ according to claim 8 ~~or~~ 10,  
~~characterized in that the~~wherein said threshold value corresponds to ~~the~~a value of ~~the~~said  
variable of state to be adjusted in ~~the respective~~said load circuit.

15. (Currently Amended) ~~A~~The device~~system~~ according to ~~one of claims~~  
8 to 14, ~~characterized in that the~~claim 8, wherein said electrically actuatable valves are  
solenoid valves.